CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 20.02.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.

Agency : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.

Name of the work : Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.01.2018	20.02.2018	8.289	529.5	23.53
2	23.01.2018	20.02.2018	8.264	485.6	21.58
3	23.01.2018	20.02.2018	8.258	506.1	22.49

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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JAS-ANZ
ISO 9001:2000 CERTIFIED

) No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 02.03.2018

KERB STONE (CORE) TEST REPORT

lent	:	**Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
;ency	:	**Sri. N.M. Krishnamurthy,** Contractor, Bangalore.
ıme of Work	:	Improvements to road, drain and other works in Khatha Nagar in ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in ward No.16, BBMP, Bangalore.
ı.of Sample Tested	:	03
te of Testing	:	02.03.2018
chinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
ıde of Concrete	:	M_{15}

No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	72.00	0.326	2305.98	1.44	0.960	24.60	12.53	13.53	12.99	16.24
2	50.00	74.00	0.339	2333.13	1.48	0.960	25.80	13.14	14.19	13.62	17.03
3	50.00	76.00	0.354	2372.25	1.52	0.960	26.90	13.70	14.80	14.20	17.76

te:
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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 20.02.2018

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
Name of the work : Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.01.2018	20.02.2018	8.139	289.5	12.87
2	23.01.2018	20.02.2018	8.155	294.2	13.08
3	23.01.2018	20.02.2018	8.164	265.3	11.79

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 26.01.2018

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
Name of the work : Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	26.01.2018	8.119	165.8	7.37
2	19.01.2018	26.01.2018	8.124	179.2	7.96
3	19.01.2018	26.01.2018	8.109	190.6	8.47

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 16.02.2018

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
Name of the work : Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	16.02.2018	8.158	298.5	13.27
2	19.01.2018	16.02.2018	8.184	284.6	12.65
3	19.01.2018	16.02.2018	8.166	265.3	11.79

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 26.01.2018

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
Name of the work : Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	26.01.2018	8.115	189.5	8.42
2	19.01.2018	26.01.2018	8.109	160.6	7.14
3	19.01.2018	26.01.2018	8.126	175.2	7.79

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 16.02.2018

TEST REPORT ON CONCRETE CUBES

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Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
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Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	16.02.2018	8.159	289.9	12.88
2	19.01.2018	16.02.2018	8.146	260.5	11.58
3	19.01.2018	16.02.2018	8.135	255.3	11.35

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 26.01.2018

TEST REPORT ON CONCRETE CUBES

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Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	26.01.2018	8.110	169.5	7.53
2	19.01.2018	26.01.2018	8.136	176.2	7.83
3	19.01.2018	26.01.2018	8.128	182.4	8.11

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 16.02.2018

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor : **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
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Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{10}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	16.02.2018	8.156	269.5	11.98
2	19.01.2018	16.02.2018	8.166	284.5	12.64
3	19.01.2018	16.02.2018	8.145	256.3	11.39

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Job No.: CQCE/BBMP/NMK/W.No.16/2017-18 Date: 26.01.2018

TEST REPORT ON CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Contractor	: **Sri. N.M Krishnamurthy,** Contractor, Bangalore.
Name of the work	: Improvements to road, drain and otheer works in Khatha Nagar in Ward No.16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No.16, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{10}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.01.2018	26.01.2018	8.112	180.6	8.03
2	19.01.2018	26.01.2018	8.125	166.2	7.39
3	19.01.2018	26.01.2018	8.136	175.3	7.79

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